

ABSTRACT OF THE DISCLOSURE

A two-port isolator capable of suppressing propagation of the second harmonic wave ( $2f$ ) or the third harmonic wave ( $3f$ ) of the used frequency  $f$  includes a parallel RC circuit, which includes a first matching capacitor and a resistor, and the parallel RC circuit is electrically connected between an input port P1 and an output port P2. A series resonant circuit including a second matching capacitor and an inductor is electrically connected between the output port P2 and ground. The resonant frequency of the series resonant circuit is set between the frequencies of the second and third harmonic waves.